

Application No. 10/762,719
Confirmation No. 5215
Art Unit 1756, Examiner Sullivan
Docket No. CL-2287 US NA
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Remarks: General

The written description has been amended to correct typographical errors.

The claims have been amended by rewriting Claim 1 for the purpose of presenting therein a more detailed description of certain features of particular interest that are included among the various embodiments of this invention. Other claims that are dependent thereon have also been amended or added to describe those embodiments in even greater detail.

Claim 2 has been cancelled without prejudice to or disclaimer of the subject matter thereof, and non-elected Claim 5 has been cancelled for presentation in a divisional application to be filed later. With the cancellation of Claims 2 and 5, Claims 1, 3, 4 and 6~18 are now active in the application

Various words, phrases and/or textual passages that may not have been present in the claims as originally filed have been added by amendment to Claim 1 and have been introduced in certain of new Claims 7~18. No new matter is added in those claims, however, as basis in the specification for those amendatory words, phrases and/or textual passages may be found as follows:

- in Claim 1, support for the recitation as to the presence of a solvent may be found on page 2 at line 36;

- in Claim 1, support for the recitation as to the solubility of the polymer may be found on page 2 at lines 24~25;

- in Claim 1, support for the recitation as to dissolving the polymer may be found on page 3 at lines 2~4;

- in Claim 7, support for the recitation as to printing may be found on page 2 at line 31;

- in Claim 10, support for the recitation as to organic solvent may be found on page 2 at lines 25~26;

- in Claim 11, support for the recitation as to the listed solvents may be found on page 4 at lines 5~6;

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in Claim 12, support for the recitation as to the listed components may be found on page 3 at lines 27~29;
in Claim 13, support for the recitation as to carbon nanotubes may be found on page 3 at line 30;
in Claim 16, support for the recitation as to alkaline spray or ultrasonic treatment may be found on page 3 at lines 11~12;
in Claim 17, support for the recitation as to fabricating an electronic device may be found on page 4 at lines 31~32; and
in Claim 18, support for the recitation as to an electron field emitter may be found on page 5 at line 24.

The amendments to Claims 3, 4 and 6 are not related to patentability inasmuch as they are made for the purpose of correcting formal matters in the claims.

A supplemental Information Disclosure Statement ("IDS") pursuant to 37 CFR §1.98 is enclosed, for which the fee stated in §1.17(p) is due under §1.97(c)(2). Please charge this fee to Deposit Account No. 04-1928 (E.I. du Pont de Nemours and Company).

By Applicant's calculation, no fee is due by reason of this amendment to the claims and/or the addition of new Claims 7-18. The cancellation of Claims 2 and 5 has been taken into account in the fee calculation. If, however, Applicant's calculation is in error, please charge any required fee to Deposit Account No. 04-1928.

If any fee other than or in addition to those mentioned specifically above is required to authorize or obtain consideration of this response and the enclosed IDS (August 25, 2007 being a Saturday), please charge such fee to Deposit Account No. 04-1928.

Applicant hereby requests entry of the above described amendments, and requests reconsideration and further examination of the application in view of the reasons it has set forth below for allowance of the claims.

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Remarks: Detailed Action

I.

In Item 4, the Examiner has required affirmation of the election of Group I, Claims 1~4 and 6. Applicant affirms the election, and has cancelled Claim 5 for presentation in a divisional application to be filed later.

II.

In Item 5, the Examiner has objected to Claims 1, 3, 4 and 6 because of the use of the word "absence". As Claim 1 has been rewritten in a form in which that word is no longer used, Applicant respectfully requests that the Examiner withdraw this objection.

III.

In Item 8, the Examiner has rejected Claims 1~4 and 6 under 35 U.S.C. §103(a) as being unpatentable over EP 1,223,470 ("Kanda") in view of US 5,624,782 ("Hayakawa"). Claim 2 has been cancelled.

Claims 1~4 and 6 are not obvious over the cited references because Kanda does not teach or suggest a process step of dissolving polymer in a polymer layer to cause diffusion of the polymer itself into a thick film paste layer. In contrast, resist material in Kanda is chemically transformed by generating an acid upon irradiation. It is the acid that diffuses into the coating layer, not the resist material itself. Thus Kanda uses a different mechanism to cause diffusion from one layer to another, and the dissolution mechanism of Applicant's claims is nowhere to be found in the disclosure of Kanda.

Hayakawa adds nothing to remedy this deficiency of Kanda because it also does not teach or suggest dissolution of the layer (the resistor layer) to which a thick film paste is applied.

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In view of the distinctions discussed above between Claims 1~4 and 6 and the cited references, Applicant respectfully requests that the Examiner withdraw the rejection of those claims under 35 U.S.C. §103(a). In addition, it is respectfully submitted that new Claims 7~18 are patentable over the cited references for the same reasons as set forth above.

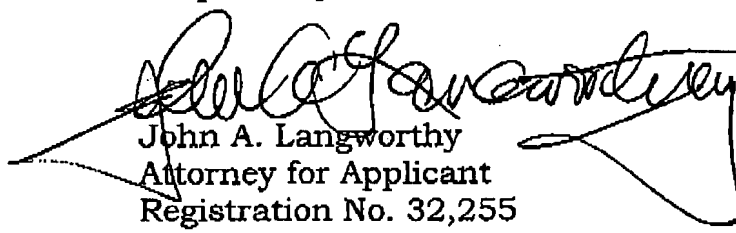
IV.

In Item 9, the Examiner has rejected Claims 1 and 2 on the ground of nonstatutory obviousness-type double patenting as being unpatentable over Claims 1~3 of U.S. SN 10/887,364. Claim 2 has been cancelled.

As is true of the references discussed above, Claims 1~3 of U.S. SN 10/887,364 do not teach or suggest dissolution of a layer to which a thick film paste has been applied. Applicant therefore respectfully requests that the Examiner withdraw the double-patenting rejection of Claim 1.

In view of the foregoing, Applicant submits that all of the Examiner's objections and rejections have been properly traversed or are obviated by cancellation of claims, and that the pending claims are in condition for allowance, request for which is hereby respectfully made.

Respectfully submitted,

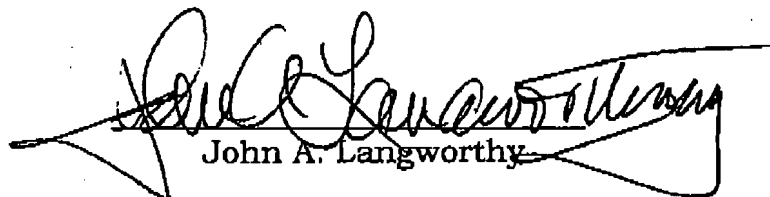


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I hereby certify that this correspondence is being facsimile
transmitted to the U.S. Patent and Trademark Office on August 27,
2007.

Date: August 27, 2007



John A. Langworthy